Product Requirements Document (PRD) - Flyout Tours Hub

1. Introduction

1.1 Purpose

Flyout Tours Hub is a comprehensive web application designed to facilitate the booking of tours, adventures, and experiences in the UAE (specifically Dubai, Abu Dhabi, and other emirates). This document outlines the product requirements, features, and technical specifications for the platform.

1.2 Scope

The scope includes the customer-facing frontend application, authentication systems, product browsing and searching, cart and checkout functionality, and user dashboards. It also covers the integration with Supabase for data persistence and authentication.

2. Product Overview

2.1 Vision

To provide a premium, seamless, and visually engaging platform for tourists and residents to discover and book world-class experiences in the UAE.

2.2 Target Audience

- **Tourists**: International visitors looking for attractions, safaris, and tours.
- **Residents**: Locals seeking staycations, dining experiences, and weekend activities.
- **Adventure Seekers**: Users interested in skydiving, water sports, and extreme activities.

3. Key Features & Requirements

3.1 Authentication & User Profiles

- **Sign Up / Sign In**: Email/password authentication via Supabase Auth.
- **User Dashboard**: View booking history, manage profile details.
- **Protected Routes**: Secure access to dashboard and checkout.

3.2 Product Discovery

- **Categorized Browsing**:
  - By Destination: Dubai, Abu Dhabi, Sharjah, etc.
  - By Category: Desert Safari, Water Parks, City Tours, Sky Adventures, Luxury, etc.
- **Search Functionality**: Global search bar to find experiences by name or keyword.
- **Product Details Types**:
  - Detailed descriptions and highlights.
  - Dynamic pricing based on options (e.g., duration, package type).

- Image galleries and location maps.
- Related recommendations.

3.3 Booking System

- **Cart Management**: Add/remove items, update quantities.
- **Wishlist**: Save items for later.
- **Checkout Process**: Secure payment flow (Payment integration TBD/Mocked currently).
- **Order Management**: View past and upcoming bookings.

3.4 Content & Information

- **Static Pages**: About Us, Contact Us, Privacy Policy, Terms & Conditions.
- **Blogs**: Travel guides and articles.
- **FAQ**: Frequently asked questions section.

4. User Experience (UX/UI)

4.1 Design Philosophy

- **Modern & Premium**: Use of gradients, shadows, and glassmorphism (as seen in App.tsx global styles).
- **Responsive**: Fully optimized for mobile, tablet, and desktop.
- **Interactive**: Smooth transitions, hover effects, and immediate feedback using Shadcn UI components and Tailwind CSS.
- **Visuals**: High-quality imagery for tours and attractions.

5. Technical Architecture

5.1 Tech Stack

- **Frontend Framework**: React 18+ with Vite.
- **Language**: TypeScript.
- **Styling**: Tailwind CSS.
- **UI Library**: Shadcn UI (Radix Primitives).
- **State Management**: Context API (`AuthContext`, `CartContext`, `WishlistContext`) + React Query for server state.
- **Routing**: React Router DOM v6.
- **Backend / BaaS**: Supabase (Auth, Database).
- **Deployment**: Vercel (implied by vercel.json).

5.2 Data Model (Inferred)

- **Tours/Products**: ID, Title, Slug, Description, Price, Images, Category, Location, Duration, Rating.
- **Categories**: Name, Slug, Description.
- **Bookings**: UserID, ProductID, Date, Status, Total Amount.
- **Users**: ID, Email, Name, Preferences.

5.3 Performance Requirements

- **Core Web Vitals**: Optimize for LCP (Largest Contentful Paint) and CLS (Cumulative Layout Shift).
- **Caching**: Utilize React Query for efficient data fetching and caching.

6. Future Considerations / Roadmap

- **Reviews & Ratings**: Enable user-generated reviews.
- **Multi-currency Support**: Allow users to pay in their local currency.
- **Advanced Filtering**: Filter by price range, duration, rating.
- **Admin Panel**: Dedicated portal for managing tours and orders.